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BOLLINGTON URBAN DISTRICT.

REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1899.

*Read at a Meeting of the Bollington Urban District
Council, held on the 18th day of January, 1900.*

BOLLINGTON :

H. H. POTTS, PRINTER AND STATIONER, PALMERSTON STREET.

Annual Report of the Medical Officer of Health. FOR 1899.

To the Chairman and Members of the Bollington Urban District Council.
GENTLEMEN,

It is my privilege as Medical Officer of the district, to present my first Annual Report to you, and I have endeavoured to record the various conditons and work done, bearing on the health of the District.

WATER SUPPLY.—The 18th day of February marked an important day in the history of Bollington, as it witnessed the practical completion of the Water Works, after years of debate and consideration of various schemes.

The inhabitants of the district can now rejoice in a supply of water, second to none as regards quality, and at a reasonable cost, and thanks to the spirited policy of the Council, in putting in services free of charge, at the present time very few houses in the district are without a supply from the Council's Mains, and steps are being taken to insure that the supply to these shall be made satisfactory.

The thanks of the community are specially due to Mr. A. J. King for his efforts on behalf of the public welfare of the district, who by the introduction of his well-known business energy into the public duties as Chairman of the Council, has done a great deal in bringing the Water Works undertaking to its present satisfactory condition.

The Council recognised this by inviting Mrs. King, the wife of the Chairman, to turn on the Water which she gracefully performed admidst great rejoicing by the inhabitants.

INFECTIOUS HOSPITAL.—The proposed Infectious Hospital is not at present built, the cause being due to the delay in the transfer of the land and other legal preliminaries.

BIRTHS.—The number of births registered in the district during the year, was 83 as compared with 88 in the previous year. The birth rate per 1000 (estimating the population at 4000,) is equal to 20·7.

MORTALITY.—The number of deaths registered during the year, was 66, including 3 not belonging to the district, (as compared with 50 deaths, in 1898,) which gives a death rate of 16·5 per thousand. From the appended tables it will be noticed that the number of deaths is chiefly increased by the large number who have died at or over the age of 65 years. The number of these being 25, as compared to 13 in the previous year. Zymotic disease accounts for 2 deaths, viz : one Scarlet Fever, and one Diarrhœa, the latter being complicated with Peritonitis. The Zymotic death rate is ·5 per thousand.

INFECTIOUS DISEASE.—The number of Infectious diseases notified during the

year was 15, being 4 more than in 1898, of which 10 were Scarlet Fever, 3 Typhoid or Enteric Fever, and 2 Erysipelas.

SCARLET FEVER.—Five of the Scarlet Fever cases occurred towards the end of the year at Lower Houses, probably imported from the neighbouring rural district, in which the School attended by the children, is situated.

Two adults were seized with this disease. In both cases the drains of the premises were found defective.

The other 3 cases occurred among school children ; these were isolated cases, and the infection did not spread.

TYPHOID FEVER.—Three cases occurred in the district of a mild character, the source of which could not be traced.

ERYSIPELAS.—Two cases occurred in the district, one in Church street, and one in Moss lane, in the latter the drains were in a bad condition.

INFLUENZA.—In the early part of the year a severe epidemic of Influenza invaded the district, some 200 cases coming to my knowledge. One death was attributable to this disease.

DIARRHŒA.—At the end of July when the annual wakes is held, there was a severe outbreak of this disease accompanied by violent sickness, and in some cases delirium. Starting on the Saturday night there were by Monday morning 100 cases under Medical attention. On investigation it was found that all the affected persons, who were chiefly children, had partaken of either ice cream, pea soup, or both, obtained from booths on the fair ground. The water used in the preparation of these articles was obtained from a pump in the yard of the Spinner's Arms Hotel. This water was so contaminated with sewage as to be quite opaque when in a glass, and was no doubt the responsible cause of the outbreak.

The above house has since been supplied with water from the Council's mains.

After consulting the chairman of the Council, he authorized the issuing of handbills, warning parents against allowing their children to eat unsuitable articles of food, and by 4 o'clock in the afternoon of Monday, these were distributed throughout the district, after which no further cases occurred.

As the offending articles are not included in the Unsound Food clauses of the "Public Health Act," 1875, it behoves the Council to take such precautionary measures as lie in their power, to protect the health of the district, and I suggest that the following conditions be enforced in any future letting of the fair ground.

1. That water shall be supplied from the Council's mains.
2. That the lessee shall produce a clean Bill of Health from his previous place of residence.
3. That the ground be closed at 11-30 each night.

And I wish to point out the absence of sanitary conveniences, and recommend the provision of such, either temporary or permanent.

Much diarrhœa was also attributed to the stench arising from the brook during the hot weather. Complaints of this stench were made at a meeting of the Council, and I was requested to inspect the brook and report thereon. This report was read at a meeting of the Council on the 17th of August, I therein pointed out that owing to the drainage of the district, and also part of the drainage from Kerridge, being turned direct into the stream, the bed of the stream was simply a pool of stagnant sewage, as there was not sufficient water to carry it away.

One death was recorded due to this disease (Diarrhœa,) this occurring in a house situated close to the brook.

The council recognising the necessity of dealing with the sewage question, appointed a committee to take steps in the matter. This committee met, but in the meantime, such energetic action had been taken by the adjoining rural parish of

Kerridge to effect a union with the Urban District of Bollington, and as a joint sewage scheme with this district is the only possible way of dealing with the sewage, it was thought advisable to defer the question pending the decision of the County Council with regard to the proposed Amalgamation of the districts, the local inquiry for which was held by a committee of the County Council on Dec. 15th.

VACCINATION.—I have great satisfaction in recording that there have been no conscientious objectors to Vaccination, in the Bollington district of the Macclesfield Union.

PHTHISIS.—This disease to which 6 deaths are certified as due, has of late received much attention from medical men. I think it is sufficient in this report to point out that the provision of plenty of fresh and pure air, is the greatest preventative and disinfectant, and it is satisfactory to note here the large number of houses, which in recent years have had old windows which could not be opened, replaced by sash windows, which will enable the occupants to flush the rooms with pure fresh air.

ADOPTIVE ACTS.—During the year the Council have adopted

1. Part 3 of the "Public Health Amendment Act," 1890.
2. The "Infectious Disease (Prevention) Act," 1890, with the exception of clauses 6, 8, 9, 10, and 12.
3. "Private Street Works Act," 1892.

These came into force on the 1st day of September.

DAIRIES, COWSHEDS, AND MILKSHOPS.—There are 19 Cowsheds in the district, for which there have been no regulations hitherto.

The Council have decided to adopt regulations as recommended by the Local Government Board for these buildings, and a draft of these have been forwarded for the approval of that authority. The only alteration from the original Model Regulations being the substitution of 600 cubic feet of air space per animal for 800, this being considered sufficient under the conditions in which the animals are kept, and the semi-rural character of the district.

I have with the Inspector made an inspection of the whole of these buildings, examining the means of draining, lighting, water supply, and general condition with regard to cleanliness, and with the exception of two (whose condition was such as to be totally unfit for use,) we ascertained the cubic capacity of each, the number of cattle kept, and also the number of stalls where cattle might be kept.

In the previous absence of regulations the only conditions possible to be enforced were cleansing and drainage. Leaving out the two places unfit for use, we found of the remaining 17, that the cleansing of 16 and the drainage of 10, were satisfactory, one unsatisfactory in both cleansing and drainage, and six unsatisfactory in drainage.

Comparing with the regulations adopted, we find of the 17 that 4 are deficient in lighting, and 11 deficient in ventilation, including air space. The water supply to all is satisfactory.

SLAUGHTER HOUSES.—I and your Inspector have made an examination of the three Slaughter houses in the district. The condition of these was satisfactory, except one, which is without water supply, a defect not yet remedied.

NURSING.—A meeting of the Ladies of the district was held at Limefield House, to consider the advisability of engaging a trained district Nurse. The result of this meeting was the appointment of Nurse Bridger, and for the energy she displays in visiting and assisting in nursing the sick, all credit is due.

A Mission Nurse has also been added to the nursing staff of the district, by the Vicar and Church party, Sister Turner, who for the kind manner she nurses and administers to the spiritual welfare of the patients under her care, is very much esteemed.

SANITARY IMPROVEMENTS.—As will be noticed from the report of the Nuisance Inspector attached hereto, very much has been done to improve the sanitary state of the property in the district.

That so much work has been done practically without friction with the owners of property, shows their willingness to fall in with any suggestions that will improve the sanitary condition of the village.

I think that this should encourage the Council on their part, to carry out the two most pressing sanitary requirements. These are a better system of emptying and disposing of the nightsoil, and a main drainage scheme.

In conclusion I wish to record my appreciation of the work and assistance of the Nuisance Inspector, since his appointment last April.

I remain, Gentlemen,

Your obedient servant,

J. J. MASON.

Medical Officer of Health.

Nuisance Inspector's Report.

To the Chairman and Members of the Bollington Urban District Council.
GENTLEMEN,

During the year, 729 loads of nightsoil have been removed against 565 loads last year.

Of these, 260 have been removed by farmers, and 469 by Wm. Challener, as compared to 389 by farmers, and 176 by Wm. Challener. in the previous year.

These figures show a total increase of 164 loads on the previous year, and the cost has increased from £22 8s. to £53.

There have been 15 cases of Infectious Disease notified during the year, 10 of Scarlet Fever, 3 of Typhoid or Enteric Fever, and 2 of Erysipelas.

The usual precautionary measures have been taken to prevent the infection spreading, and 7 houses have been fumigated on account of Infectious Disease.

Two houses have been fumigated on account of their dirty condition, and the occupants moved away ; the houses are still untenanted.

Complete new pipe drains jointed with cement, and subject to the water test have been laid to 117 houses during this year, these being formerly drained with rough stone drains or surface channels.

Defective trap connections to drains, or untrapped inlets to drains have been remedied at 26 houses.

New closets and ashpits have been built to 27 houses, the plan of these being such as will easily admit them to be adapted to either water closets, or earth closets, and the ashpits to 17 houses been covered in.

There has been one case of keeping swine so as to be a nuisance reported, notice to discontinue being served, and the nuisance remedied.

In addition to the usual inspections, I have accompanied the Medical Officer of Health on special inspections of the Brook course, Cowsheds and Dairies, and Slaughterhouses, which have been the subjects of special reports.

I remain, Gentlemen,

Yours obediently,

JAMES TRUEMAN.

MORTALITY.

From Jan. 1st, 1899, to Dec. 31st, 1899. The total number of deaths in the district from all causes was 66.

DEATH RATE.

According to the population at the census of 1891, 66 deaths would give a rate of 16·8 per thousand population. Middle of 1899, estimated at 4000, death rate 16·5.

DETAILS OF DEATH.

No.	DATE.	WARD.	RESIDENCE.	SEX.	AGE.	OCCUPATION.	CAUSE OF DEATH.
1	Jan. 17...	W...	Lower house	F	55 years...	Cotton weaver	Pneumonia.
2	" 21...	W...	Wellington road.....	M	5 months	F Wood sawyer.....	Convulsions.
3	" 28...	E...	Church street.....	F	22 years...	Cotton operative.....	Phthisis pulmonalis.
4	Feb. 3..	C...	High street.....	M	64 years...	Stone mason	Cerebral hæmorrhage.
5	" 5...	C...	Park street	F	26 years...	Card room hand.....	Post partum hæmorrhage.
						(inquest).	
6	" 19...	W...	Adlington road	M	77 years...	Coal miner.....	Senile decay.
7	" 25...	C...	High street.....	M	45 years...	Porter	Phthisis Pulmonalis.
8	" 25...	C...	Palmerston street ...	F	60 years...	No occupation	Cardiac disease.
9	" 26 ..	W...	Wellington road	F	65 years...	H Labourer.....	Senile decay.
10	Mar. 15..	C...	Palmerston street ...	M	30 years...	No occupation	Pneumonia.
11	" 15...	C...	Beeston brow	F	69 years...	Widow	Bronchitis.
12	" 16...	W...	Lower house	F	85 years...	Widow	Senile decay.

*Not a resident of District.

DETAILS OF DEATH—Continued.

No.	DATE.	WARD.	RESIDENCE.	SEX.	AGE.	OCCUPATION.	CAUSE OF DEATH.
13	"	20...	W...Garden street	M	27 years...	Labourer.....	Influenza.
14	"	21...	W...Palmerston street	M	64 years...	Cotton hand	Morbus cordis.
15	"	21...	W...Garden street	F	81 years...	Widow	Senility.
16	"	22...	C...Oldham street.....	F	10 monthsF	Labourer.....	Pneumonia
17	"	24...	C...Palmerston street	M	64 years...	Cotton operative.....	Chronic rheumatism.
18	Apr.	4...	C...High street.....	M	75 years...	Warehouseman	Cerebral hæmorrhage.
19	"	4...	W...Greenshaw lane	F	77 years...	Widow	Senile decay.
20	"	9...	C...Beeston brow.....	M	79 years...	Labourer.....	Senile decay.
21	May	2...	W...Garden street	F	65 years...	Widow	Senile decay.
22	"	10...	C...High street.....	F	91 years...	Widow	Senile decay.
23	"	12...	W...Princess street.....	M	6 days...F	Cotton operative	Debility.
24	"	21...	E...Shrigley road	F	61 years...H	Carter.....	Emphysema.
25	"	29...	W...Lower house	F	68 years...	Weaver	Dilatation of heart.
26	June	5...	W...Adlington road	M	13 monthsF	Publican ..	Hydrocephalus.
27	"	9...	C...Beeston brow.....	M	1 day ...M	Cotton hand	Premature birth.
28	"	15...	W...Adlington road	M	11 years...F	Cotton weaver.....	Otitis media.
29	"	18...	W...Wellington road.....	M	41 years...	Tailor	Acute pneumonia.
30	July	3...	C...Beeston brow.....	M	12 monthsF	Stone mason	Capillary bronchitis.
31	"	3...	W...Wellington road.....	F	78 years...H	Cotton spinner	Cancer of breast.
32	"	12...	C...Water street	M	68 years...	Cotton carder.....	Bronchitis.

DETAILS OF DEATH—Continued.

No.	DATE.	WARD.	RESIDENCE.	SEX.	AGE.	OCCUPATION.	CAUSE OF DEATH.
33	"	21...	E... Lord street	F	54 years...	H No occupation	..... ..Carcinoma of Liver.
34	"	23...	W... Wellington road	M	3 years...	F Sawyer	.....Scarlet fever.
35	"	23...	E... Mount pleasant	M	17 years...	Calico bleacher	.....Phthisis pulmonalis.
36	"	24...	C... Park street	M	77 years...	Retired Cotton over- looker	.....Chronic fibroid phthisis.
37	"	25...	W... Princess street	M	70 years...	Labourer	.....Senility.
38	Aug. 17...	E...	Lord street	F	23 days ...	F Bleacher	..... Debility from birth.
39	"	18...	W... Wellington road	M	82 years...	Retired Cotton over- looker	.....Senile decay.
40	"	24...	C... John street	M	77 years...	Blacksmith	.....Senile decay.
41	"	28...	C... Palmerston street	M	63 years...	Undertaker	.....Aneurism of aorta.
42	Sep. 2...	C...	Defiance street	M	72 years...	Labourer	.....Senile decay.
43	"	7...	C... Park street	F	14 years...	Cotton operative	.....Diarrhœa and peritonitis.
44	"	29...	E... Church street	F	79 years...	Widow	.....Senile decay.
45	"	29...	E... Ingersley road	F	83 years...	Widow	.....Congested lungs, result of fractured thigh (inquest).
46	Oct. 11...	W...	Lower house	F	5 days ...	F Labourer	.....Debility.
47	"	17...	E... Church street	M	69 years...	Labourer	.....Senile decay.
48	"	17...	C... Palmerston street	F	15 hours...	F Carter	..... Debility (7 months child).
49	"	22...	E... Palmerston street	F	64 years...	Widow	.....Morbus cordis.
50	"	27...	C... Oldham street	M	54 years...	Joiner	.....Phthisis Pulmonalis.

DETAILS OF DEATH.—Continued.

No.	DATE.	WARD	RESIDENCE.	SEX.	AGE.	OCCUPATION.	CAUSE OF DEATH.
*51	"	28...	E...Lord street	F	73 years...	H Labourer.....	Senile decay.
*52	Nov. 5...	C...Oldham street.....	F	37 years...		Cotton reeler	Enteritis.
*53	"	12... C...	Park street	M	13 years...	Errand boy.....	Pneumonia (inquest).
54	"	16... C...	Palmerston street ...	F	24 years...	Paper mill hand.....	Phthisis.
55	"	24... C...	John street	F	7 monthsF	Soldier	Infantile convulsions.
56	"	26... W...	Adlington road	M	9 years...F	Joiner	Acute rheumatism.
57	Dec. 5...	C...Park street ..	.....	F	18 years...	Cotton operative.....	Pregnancy eclampsia.
58	"	7... W...	Adlington road	F	73 years...	Widow	Morbus cordis.
59	"	7... C...	Oldham street	F	19 years ..	Cotton operative	Acute rheumatism.
60	"	15... E...	Union street	F	21 monthsF	Silk cleaner.....	Acute bronchitis.
61	"	19... W...	Adlington road	M	7 monthsF	Clay miner.....	Capillary bronchitis.
62	"	20... E...	Shrigley road	F	4 monthsF	Tinplate worker.....	Acute bronchitis.
63	"	21... E...	Shrigley road	M	69 years...	Plumber and painter ..	Diabetes.
64	"	21... C...	Park street	F	72 years...	Widow	Cerebral hæmorrhage.
65	"	25... C...	Water street	M	44 years...	Farmer.....	Morbus cordis.
66	"	29... C...	Red Lion brow	F	63 years...H	Provision dealer	Morbus cordis.
		East.....	13	Males.....	33	Deaths in District under 5 years.....	14
		Central	30	Females.....	33	" " over 5 years.....	52
		West	23		—		—
					Total 66		Total 66

Total 66

*Not a resident of District.

B TABLE of POPULATION, BIRTHS, and of NEW CASES of INFECTIOUS SICKNESS,
coming to the knowledge of the Medical Officer of Health, during the year 1899, in the
BOLLINGTON URBAN DISTRICT, classified according to DISEASES, AGES and LOCALITIES.

NAMES of LOCALITIES adopted for the purpose of these Statistics.	POPULATION AT ALL AGES.		Registered Births.	NEW CASES IN EACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.			
	Census 1891.	Estimated to middle of 1899.					
EAST WARD	1355	1395		Under 5 5 upwards .. ....	... 1	... 1	1 ...
CENTRAL WARD.....	1338	1355		Under 5 5 upwards .....	... 3	......	......
WEST WARD	1220	1250		Under 5 5 upwards	2 4	... 2	... 1
TOTAL.....	3913	4000	83	Under 5 5 upwards	2 8	... 3	1 1

“Notification of Infectious Disease” has been compulsory in the District since January 1st, 1890.
The District has no Isolation Hospital.

C

TABLE showing the number of Deaths from the principal Zymotic Diseases and their proportion to other Diseases in ten years.

DISEASES.	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	Total in 10 years
Measles	5	...	...	...	...	8	...	1	...	...	14
Scarlatina.....	...	...	...	1	7	...	1	...	...	1	10
Diphtheria .....	...	...	...	...	...	...	...	...	...	...	0
Croup .....	...	1	...	...	...	...	...	...	...	...	1
Whooping Cough .....	...	...	4	...	...	...	5	...	...	...	9
{Typhus.....	...	...	...	...	...	...	...	...	...	...	0
{Enteric or Typhoid.....	...	...	...	...	...	...	1	...	...	...	1
Diarrhoea and Dysentery ..	2	...	2	...	...	...	...	1	...	...	5
Smallpox .....	...	...	...	...	...	...	...	...	...	...	0
Erysipelas	1	1	...	...	1	...	...	...	...	...	3
Puerperal Fever .....	...	...	1	...	...	...	1	...	..	...	2
Total Zymotic Diseases	8	2	7	1	8	8	8	2	...	1	45
Total other Diseases	77	60	67	55	49	75	50	60	50	65	608
Total from all Diseases	85	62	74	56	57	83	58	62	50	66	653

